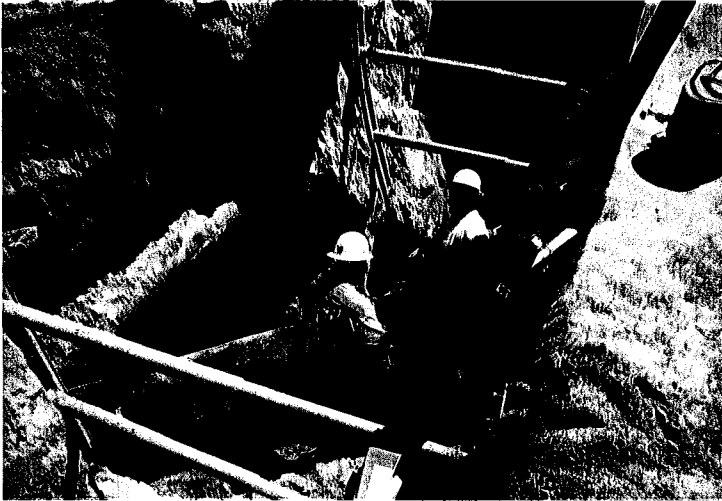

APPENDIX F
Construction Photos



29-Aug-02 (Photo No. 34)
Installing the first 24 inch 45 deg. bend to
move the DIP to the North side of the street
located on W. 14TH Street.



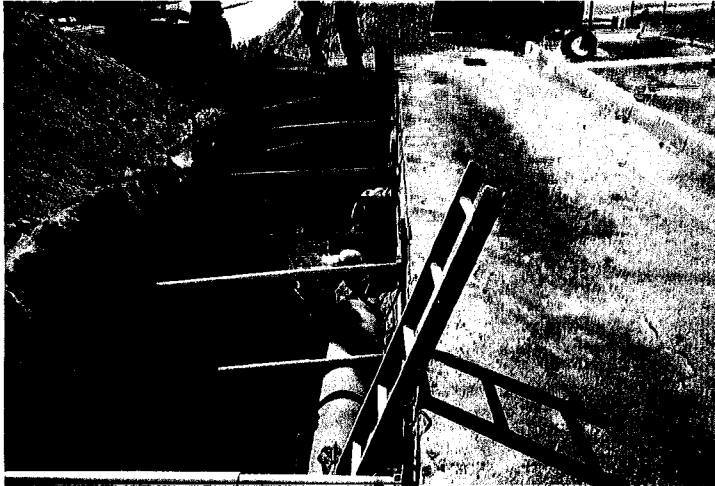
29-Aug-02 (Photo No. 38)
Completed the second set of 45 deg bends on pipelines on the
North side of W. 14TH Street.



29-Aug-02 (Photo No. 39)
Pipe trench backfill and compaction operation starting on the North
side of W.14TH Street.



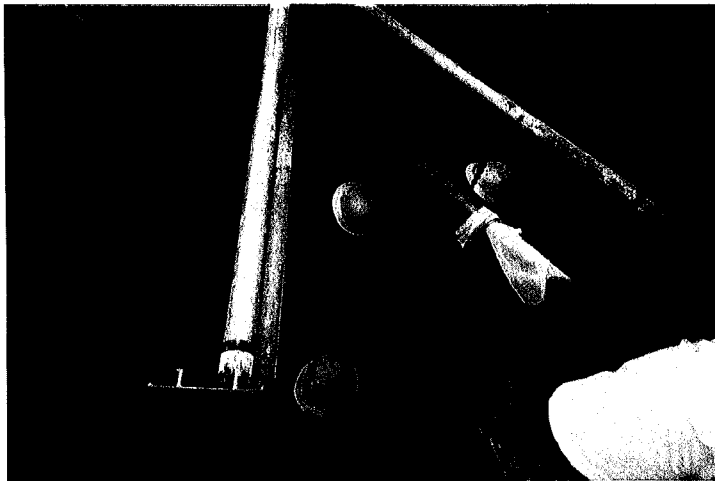
3-Sep-02 (Photo No. 45)
Trench excavation and DIP, PVC pipeline installation located on W.
14TH Street.



4-Sep-02 (Photo No. 48)
Starting to install 45 deg. bends on North side of street located on W. 14TH Street.



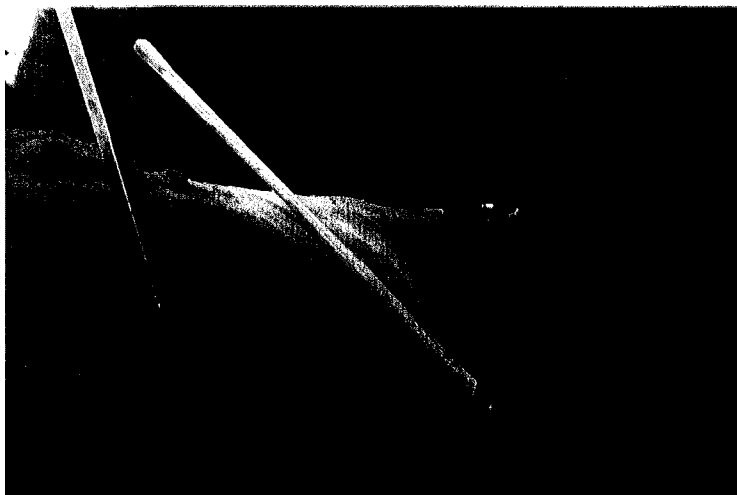
5-Sep-02 (Photo No. 50)
Continuing to install both 12 inch PVC and 24 inch DIP lines crossing to the south side of W. 14TH Street before Garner Avenue.



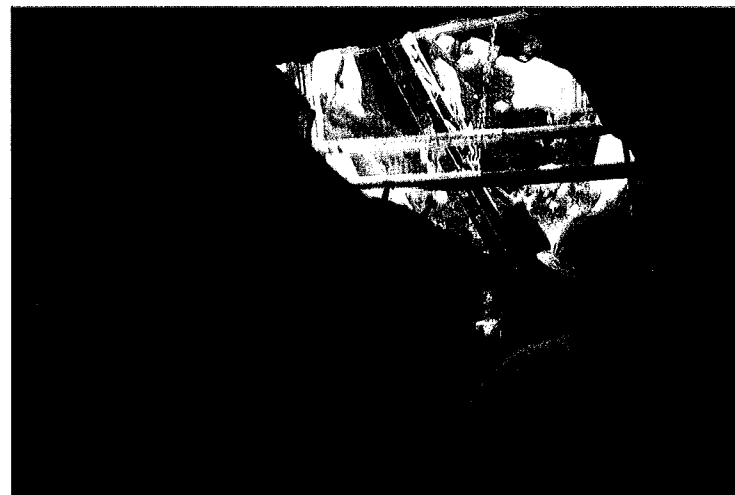
5-Sep-02 (Photo No. 51)
Installing both 12 inch and 24 inch 45 deg. bends in pipe trench located on the south side of W. 14TH Street.



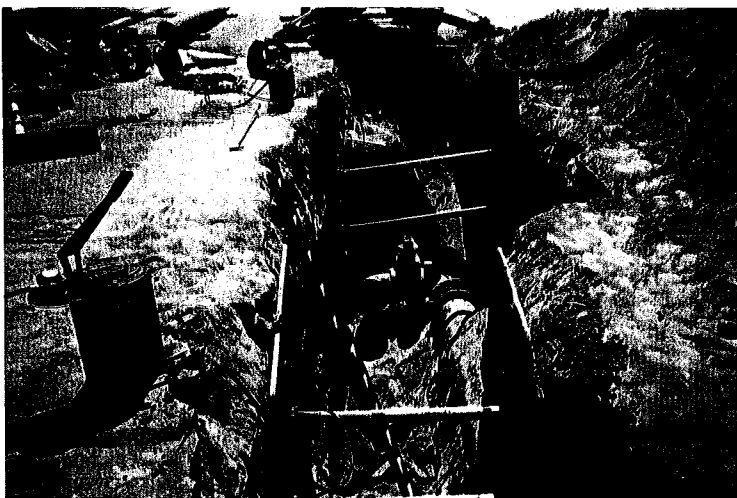
5-Sep-02 (Photo No. 53)
Installed M.J. 30 x 24 inch DIP reducer in pipe trench with the 12 inch PVC pipeline excavated and placed below the flow line of the 24 inch DIP.



12-Sep-02 (Photo No. 68)
Fitting the 30 inch DIP water line under the existing telephone and edison conduit bank located in Mt. Vernon Avenue.



12-Sep-02 (Photo No. 70)
Bolting up the M.J. on the 30 inch DIP under the existing telephone and Edison concrete incased conduit bank located in Mt. Vernon Avenue.



13-Sep-02 (Photo No. 73)
Pipeline construction installing the 12 inch tie-in to the 16 inch DIP well connection assembly located at the intersection of N. Garner Avenue and W. 14TH Street.



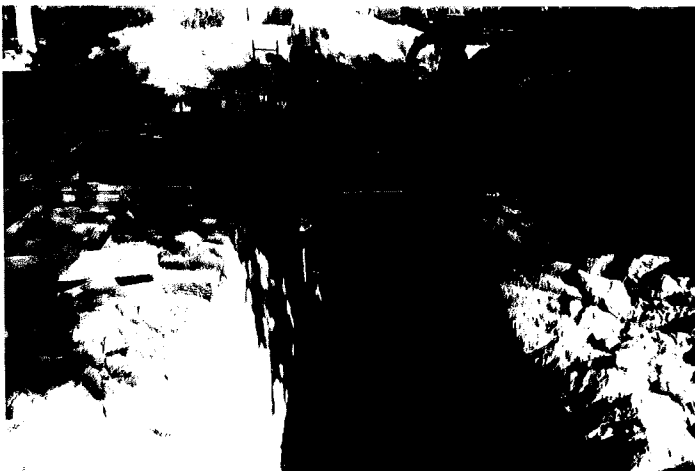
13-Sep-02 (Photo No. 75)
Installed 30 inch 11.25 deg. M.J .bend and installing 30 x 6 inch tee with 30 inch butterfly valve located at SW corner of Mt. Vernon Avenue and W. 14TH Street.



17-Sep-02 (Photo No. 86)
Installing both 30 inch DIP and 12 inch PVC pipe in the bottom of excavated trench on W. 14TH Street.



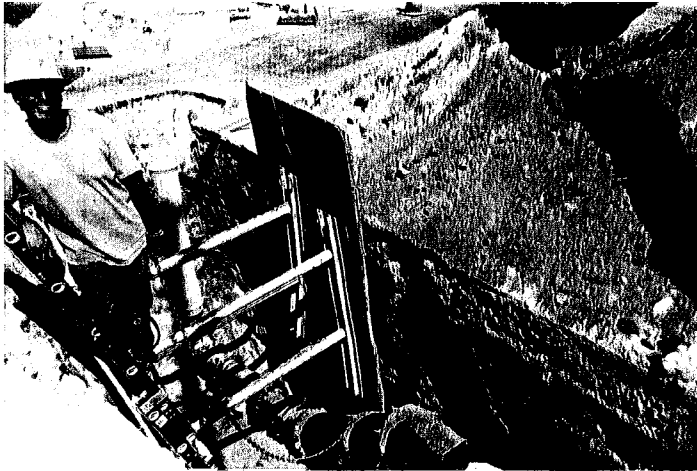
20-Sep-02 (Photo No. 101)
Installing 30 inch M.J. 90 deg. bend at the corner of W. 14TH Street and N. Blackstone Avenue.



23-Sep-02 (Photo No. 106)
Installing both 30 inch DIP and 12 inch PVC pipeline on W. Virginia Street.



30-Sep-02 (Photo No. 108)
Installing new sewer laterals in pipe trench before trench backfilling operations located on W. Virginia Street.



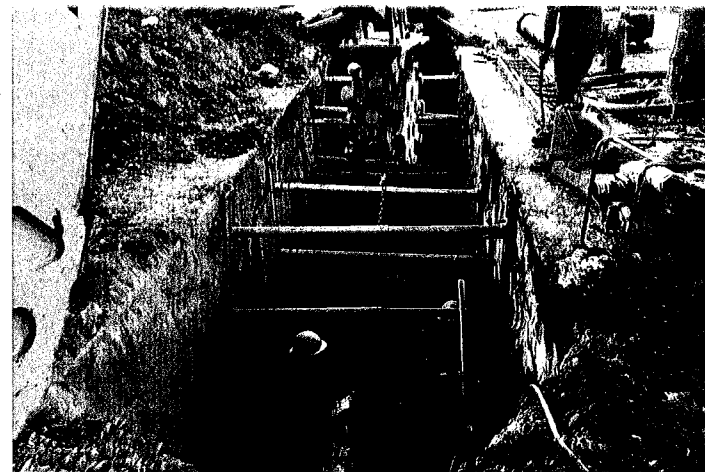
3-Oct-02 (Photo No. 110)
Installing 12 inch DIP storm drain connection at the SW corner of
Mt Vernon Avenue and W. 14TH Street.



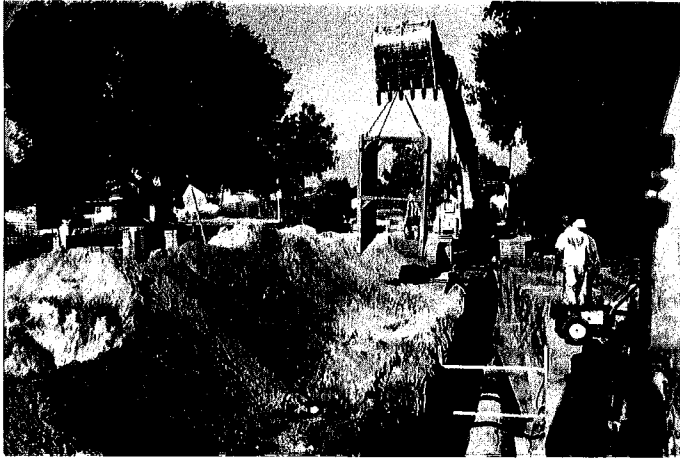
4-Oct-02 (Photo No. 115)
Air vac relocation installed 30 inch saddle and air vac piping
assembly located on SE corner of Mt. Vernon Avenue and W.
14TH Street.



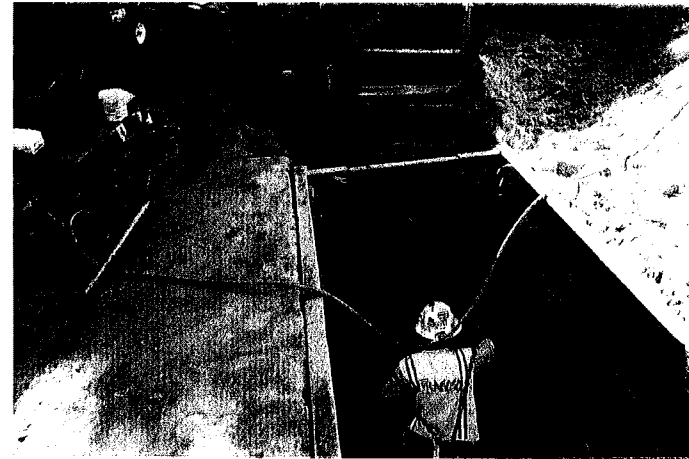
17-Oct-02 (Photo No. 123)
Placement of asphalt base coarse in trench line located on W.
14TH Street.



6-Nov-02 (Photo No. 127)
Working on the 30 inch DIP tie-in located on W. Virginia Street in
front of EW No. 112



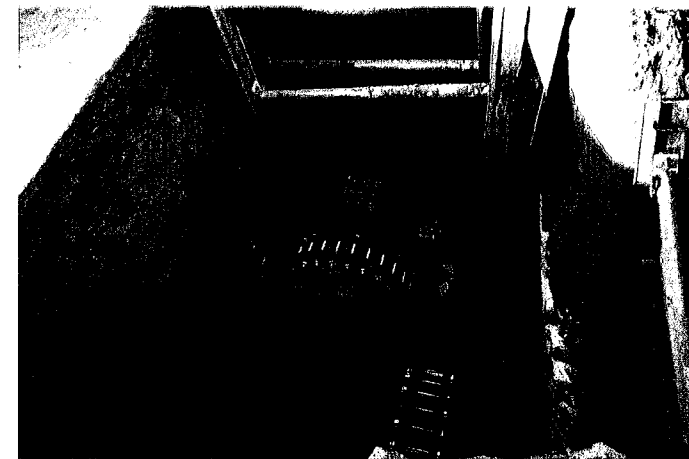
13-Nov-02 (Photo No. 132)
30 inch DIP construction continued to use box shoring at angle point located on N. Pennsylvania Avenue.



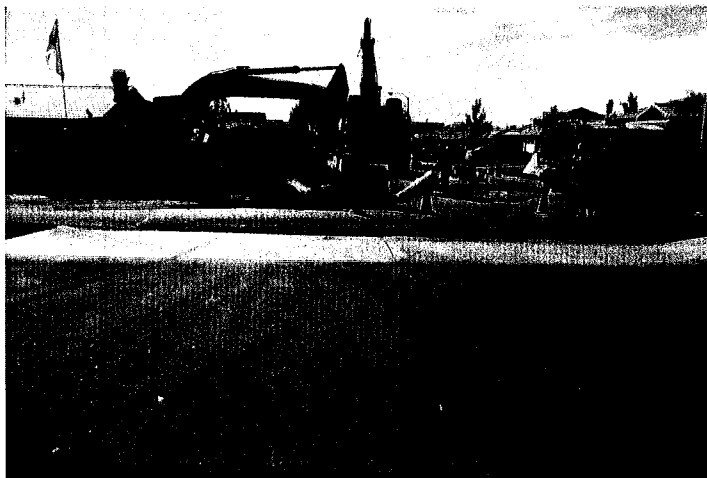
14-Nov-02 (Photo No. 137)
Installing 30 inch 22.5 deg. Bend located at the intersection of 15TH Street and N. Pennsylvania Avenue.



14-Nov-02 (Photo No. 138)
Assembling a 30 inch M.J. 11.25 deg. bend on 30 inch DIP before installing in pipe trench located on N. Pennsylvania Avenue.



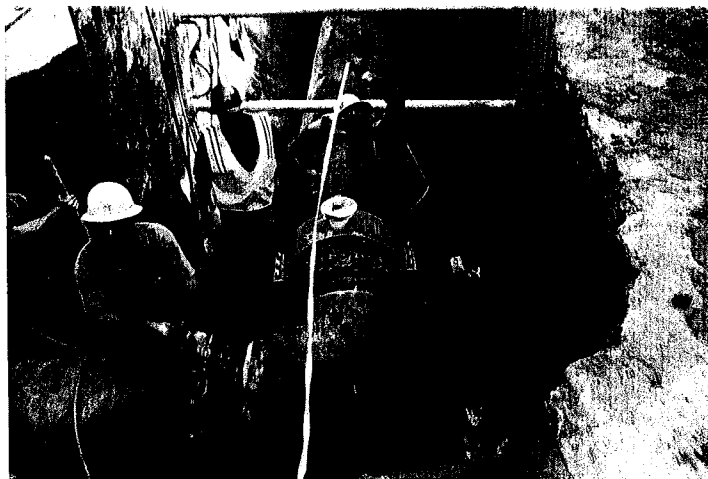
14-Nov-02 (Photo No. 139)
Installed 30 inch 90 deg. bend, butterfly valve and 6 inch blow off connection in pipe trench located on N. Pennsylvania Avenue.



22-Nov-02 (Photo No. 150)
Backfilling operation on DIP trench located at the intersection of 19TH Street and N. Pennsylvania Avenue.



6-Dec-02 (Photo No. 164)
Assembling 30 x 20 inch tee with valve and fittings for the relocation of the storm drain connection located on N. Pennsylvania Avenue.



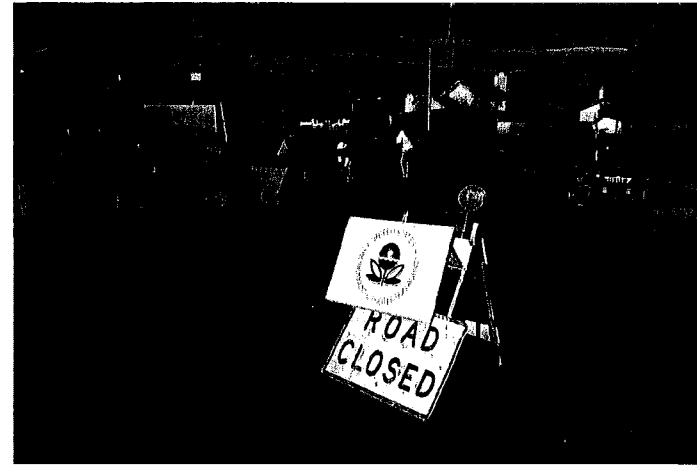
10-Dec-02 (Photo No. 169)
Installed 30 inch saddle for air vac assembly located on W.16TH Street.



11-Dec-02 (Photo No. 170)
Dry tapping 30 inch DIP for air vac assembly connection cutting 4 inch tap located at the intersection of North Pennsylvania Avenue and W. 15TH Street.



13-Dec-02 (Photo No. 174)
Core drilling existing storm drain box structure on the north side located on the east side of N. Pennsylvania Avenue.



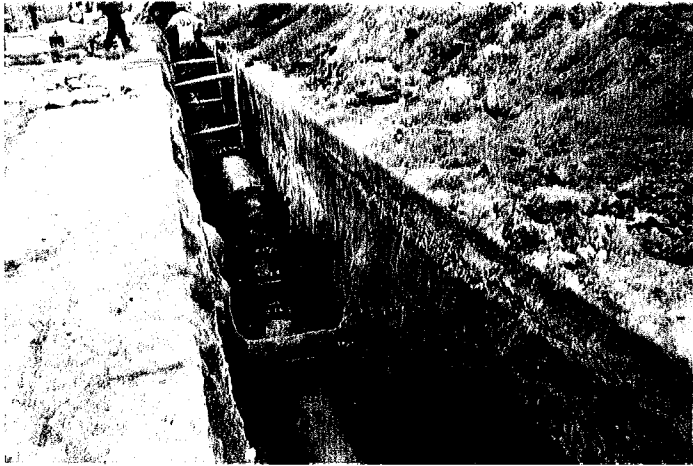
18-Dec-02 (Photo No. 182)
Placement of asphalt base coarse in trench line located on N. Pennsylvania Avenue.



2-Jan-03 (Photo No. 183)
Installing 30 inch DIP tie-in located at the intersection of W. Magnolia Avenue and N. Pennsylvania Avenue.

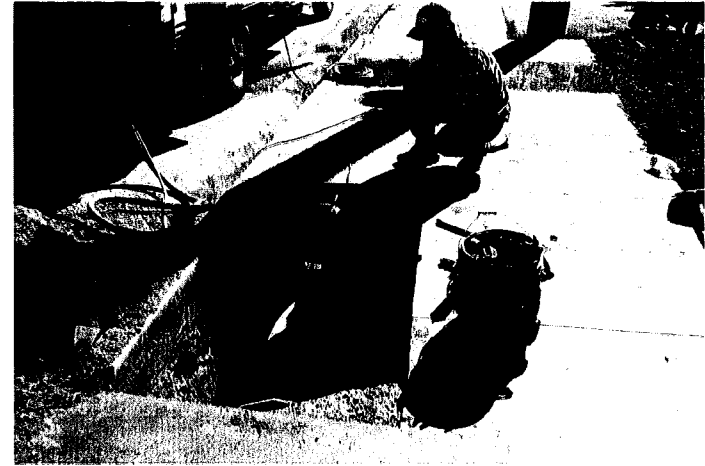


23-Jan-03 (Photo No. 214)
Assembling 16 inch 45 deg. bends for 16 inch DIP line to cross over the sewer main cased in concrete located at the intersection of N. H Street and W. 11TH Street.



23-Jan-03 (Photo No. 216)

Installed 16 inch DIP and fittings to cross over the existing 8 inch sewer main cased in concrete located at the intersection of N. H Street and W. 11TH Street.



5-Feb-03 (Photo No. 245)

Core drilled the north side of the storm drain catch basin for 16 inch DIP tie-in located on N. H Street.



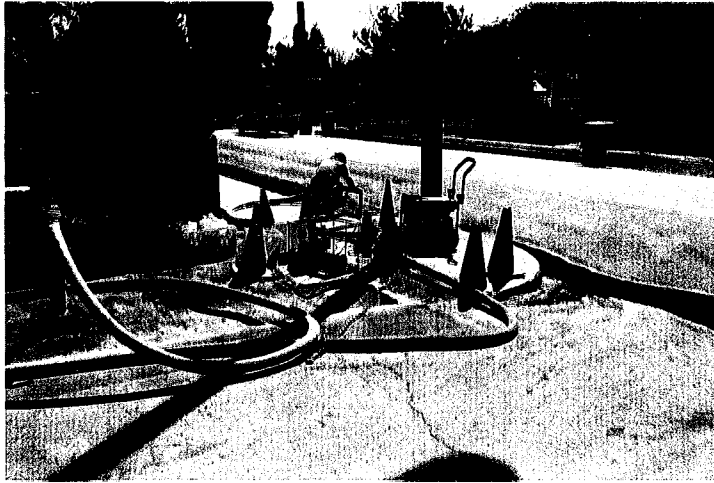
17-Mar-03 (Photo No. 276)

Placing fill sand in pipe zone and assembling 20 inch DIP to butterfly valve and 20 x 6 inch tee located at the intersection of N. I Street and W. 10TH Street.



17-Mar-03 (Photo No. 277)

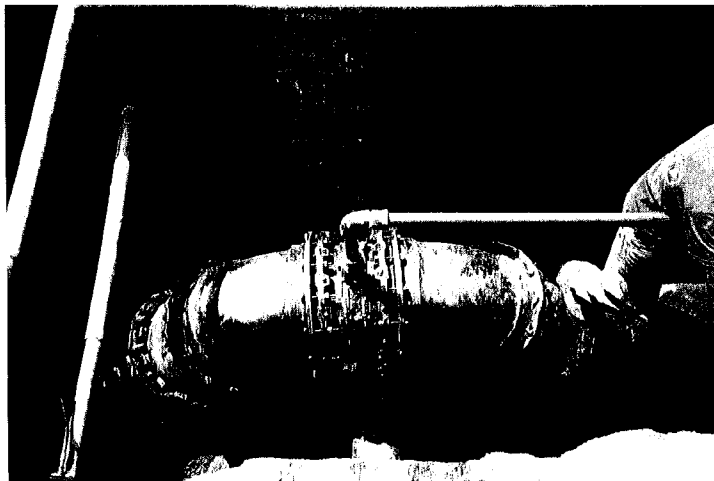
Assembling 20 inch plug on 90 deg. bend located at the corner N. I Street and W. 10TH Street.



25-Mar-03 (Photo No. 283)
Chlorination operation being performed on the 20 inch DIP section located on N. Perris Street.



8-Apr-03 (Photo No. 292)
Installing the assembled 36 x 24 inch tee with butterfly valves for the tie-in located on W. 10TH Street.



24-Apr-03 (Photo No. 312)
Installed four 20 inch 45 deg. bends and DIP to cross over 8 inch sewer main with 2 inch saddle for air vac assembly located at the center of W. Baseline Street.



5-May-03 (Photo No. 314)
Paving operation placing 1 inch x 12 foot overlay over the DIP trench located on N. H Street.